

### CLAIMS

1. A synthetic-grass cover structure comprising:
- a sheet substrate with a plurality of filiform formations that extend from the substrate to simulate natural grass cover; and
  - a particulate filling material or infill dispersed between said filiform formations in such a way as to maintain the latter in a substantially upright condition,

wherein said particulate infill consists of a substantially homogeneous mass of a granular material chosen from the group consisting of polyolefin-based materials and vinyl-polymer-based materials.

2. The structure according to Claim 1, wherein said particulate filling material or infill has a grain size ranging between 1.5 and 4.5 mm.

3. The structure according to Claim 1, wherein said particulate infill has a density of 1.5-1.6 grams/cm<sup>3</sup>.

4. The structure according to Claim 1, wherein said particulate infill has an apparent density of 600-700 grams/litre.

5. The structure according to Claim 1, wherein said particulate infill is dispersed for a total thickness of roughly 30 mm.

6. The structure according to Claim 1, wherein said particulate infill is dispersed in a quantity ranging substantially between 15 and 21 kg/m<sup>2</sup>.

7. The structure according to Claim 1, wherein said particulate infill is polyethylene-based.

8. The structure according to Claim 1, wherein said particulate infill has a base of recycled polyolefin material.

9. The structure according to Claim 1, wherein said particulate infill is PVC-based.

10. The structure according to Claim 1, wherein

said particulate infill has a base of recycled vinyl polymer.

11. The structure according to Claim 1, wherein said particulate infill is obtained by segmentation of a compound subjected to drawing.

12. The structure according to Claim 11, wherein said compound is subjected to drawing through the die of a drawing machine having a diameter in the region of 2.5-3.5 mm.

13. A particulate filling material or infill for synthetic-grass covers, said infill being dispersible between the filiform formations simulating the grass cover in such a way as to maintain the filiform formations themselves in a substantially upright condition,

wherein said particulate infill consists of a substantially homogeneous mass of a granular material chosen from the group made up of polyolefin-based materials and vinyl-polymer-based materials.

14. The material according to Claim 13, wherein said particulate infill has a grain size ranging between 1.5 and 4.5 mm.

15. The material according to Claim 13, wherein said particulate infill has a density of 1.5-1.6 grams/cm<sup>3</sup>.

16. The material according to Claim 13, wherein said particulate infill has an apparent density of 600-700 grams/litre.

17. The material according to Claim 13, wherein said particulate infill, when dispersed for a total thickness of roughly 30 mm, has a weight, per unit surface, ranging roughly between 15 and 21 kg/m<sup>2</sup>.

18. The material according to Claim 13, wherein said material is polyethylene-based.

19. The material according to Claim 13, wherein

said material has a base of recycled polyolefin material.

20. The material according to Claim 13, wherein said material is PVC-based.

21. The material according to Claim 13, wherein said material has a base of recycled vinyl polymer.

22. The material according to Claim 1, made up of a compound subjected to drawing and to subsequent cutting so as to assume a particulate form.

23. The material according to Claim 22, wherein said compound is subjected to drawing through the die of a drawing machine having a diameter in the region of 2.5-3.5 mm.

~~24. Use of a particulate material according to Claim 13 for making synthetic-grass structures.~~